

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. of: YIHUA CHANG ET AL.

Appln. No.: 09/815,251

Filed: March 22, 2001

For: WATER-DISPERSIBLE,  
CATIONIC POLYMERS, A  
METHOD OF MAKING SAME  
AND ITEMS USING SAME

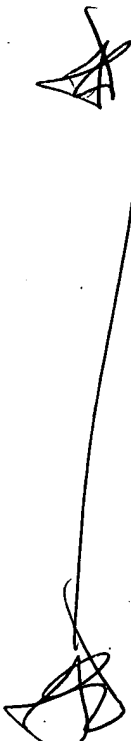
Examiner: Tamra Dicus

Art Unit: 1774

Attorney Docket No: 659/1610

## SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT


In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98, and more particularly in accordance with 37 C.F.R. §1.97(c), Applicants hereby cite the following reference(s):



DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME
2,982,682	5/2/1961	Matlin et al.
3,385,839	5/28/1968	Honig et al.
3,480,463	11/25/1969	Rankin
4,151,148	4/24/1979	Chasin et al.
5,451,432	9/19/1995	Loflon
5,478,631	12/26/1995	Kawano et al.
5,518,585	5/21/1996	Huth et al.
5,597,675	1/28/1997	Arudi et al.
5,645,968	7/8/1997	Sacripante et al.
5,921,912	7/13/1999	Hart et al.
6,007,803	12/28/1999	Mandeville, III et al.
6,127,593	10/3/2000	Bjorkquist et al.
6,139,986	10/31/2000	Carlson et al.
6,183,844	2/6/2001	Li
6,251,849	6/28/2001	Jeschke et al.
6,265,049	7/24/2001	Swisher et al.
6,290,947	9/18/2001	Fitzpatrick et al.
6,358,365	3/19/2002	Zhang et al.
6,379,501	4/30/2002	Zhang et al.
6,413,621	7/2/2002	Mayes et al.
6,423,804	7/23/2002	Chang et al.
6,429,281	8/6/2002	Lang et al.
6,537,663	3/25/2003	Chang et al.
6,548,592	4/15/2003	Lang et al.

BRINKS  
HOFER  
GILSON  
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Appln. No. 09/815,251Attorney Docket No. 659/1610

DOCUMENT NUMBER <small>Number/Kind Code (if known)</small>	DATE	NAME
6,579,570	6/17/2003	Lang et al.
5,586,529	7/1/2003	Munick et al.
6,599,848	7/29/2003	Chen et al.
6,802,955	8/5/2003	Soerens et al.
6,630,558	10/7/2003	Chang et al.
6,653,406	11/25/2003	Soerens et al.
6,683,143	1/27/2004	Munick et al.
6,713,414	3/30/2004	Pomplun et al.
6,815,502	11/9/2004	Lange et al.
6,828,014	12/7/2004	Branham et al.
6,897,168	5/24/2005	Branham et al.
6,908,988	6/21/2005	Chang et al.
2003/0027470 A1	2/6/2003	Chang et al.
2003/0032352 A1	2/13/2003	Chang et al.
2004/0030080 A1	2/12/2004	Chang et al.

**FOREIGN DOCUMENTS**

DOCUMENT NUMBER <small>Number/Kind Code (if known)</small>	DATE	COUNTRY
JP 74043114	11/19/1974	Japan

Applicants are enclosing Form PTO-1449 (two sheets), along with a copy of each listed reference for which a copy is required under 37 C.F.R. §1.98(a)(2). As each of the listed references is in English, no further commentary is believed to be necessary, 37 C.F.R §1.98(a)(3). Applicants respectfully request the Examiner's consideration of the above reference(s) and entry thereof into the record of this application.

By submitting this Statement, Applicants are attempting to fully comply with the duty of candor and good faith mandated by 37 C.F.R. §1.56. As such, this Statement is not intended to constitute an admission that any of the enclosed references, or other information referred to therein, constitutes "prior art" or is otherwise "material to patentability," as that phrase is defined in 37 C.F.R. §1.56(a).

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Appln. No. 09/815,261Attorney Docket No. 659/1610

Applicants have calculated a processing fee in the amount of \$180.00 to be due under 37 C.F.R. §1.17(p) in connection with the filing of this Statement. Applicants have enclosed a check covering this fee, or authorized charging the fee to a deposit account or credit card, as indicated in the Transmittal accompanying this Statement.

Respectfully submitted,


10/25/05  
Date

  
Glen P. Belvis (Reg. No. 31,735)

BRINKS  
HOFFER  
GILSON  
BLITZ

FORM PTO-1449	SERIAL NO. 09/816,251	CASE NO. 659/1610
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE March 22, 2001	GROUP ART UNIT 1774
(use several sheets if necessary)		APPLICANT(S): Yihua Chang et. al.

## REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	G1	2,982,682	5/2/1981	Matlin et al.		
	G2	3,385,839	5/28/1988	Honig et al.		
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	G4	4,151,148	4/24/1979	Chasin et al.		
	G5	5,451,432	8/19/1995	Lofton		
	G6	5,478,631	12/26/1995	Kawano et al.		
	G7	5,518,585	5/21/1996	Huth et al.		
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	G15	6,251,849	6/26/2001	Jeschke et al.		
	G16	6,265,049	7/24/2001	Swisher et al.		
	G17	6,290,947	9/18/2001	Fitzpatrick et al.		
	G18	6,358,365	3/19/2002	Zhang et al.		
	G19	6,379,501	4/30/2002	Zhang et al.		
	G20	6,413,821	7/2/2002	Mayes et al.		
	G21	6,423,804	7/23/2002	Chang et al.		
	G22	6,429,261	8/8/2002	Lang et al.		
	G23	6,537,663	3/25/2003	Chang et al.		
	G24	6,548,582	4/15/2003	Lang et al.		
	G25	6,579,570	6/17/2003	Lang et al.		
	G26	5,588,529	7/1/2003	Munick et al.		
	G27	6,599,848	7/29/2003	Chen et al.		
	G28	6,602,955	8/5/2003	Soerens et al.		
	G29	6,630,558	10/7/2003	Chang et al.		
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	G33	6,815,502	11/9/2004	Lange et al.		
	G34	6,828,014	12/7/2004	Branham et al.		
	G35	6,897,168	5/24/2005	Branham et al.		
	G36	6,908,966	8/21/2005	Chang et al.		
	G37	2003/0027470 A1	2/6/2003	Chang et al.		
	G38	2003/0032352 A1	2/13/2003	Chang et al.		


EXAMINER 	DATE CONSIDERED 8/30/06
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Page 2 of 2

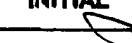
FORM PTO-1449	SERIAL NO. 09/815,251	CASE NO. 659/1610
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	FILING DATE March 22, 2001	GROUP ART UNIT 1774
APPLICANT(S): Yihua Chang et. al.		

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EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	G39	2004/0030080 A1	2/12/2004	Chang et al.		

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
	G40	JP 74043114	11/19/1974	Japan		Abstract

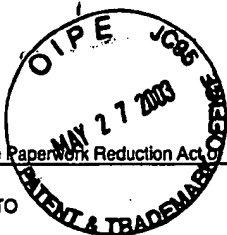
EXAMINER INITIAL	OTHER ART - NON PATENT LITERATURE DOCUMENTS (Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	
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EXAMINER 	DATE CONSIDERED 2/20/06
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Rev. Feb.-97

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PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

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Substitute for Form 1449/A/PTO		<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete If Known</b>	
				Application Number	09/815,251
		Filing Date	March 22, 2001		
		First Named Inventor	Chang et al.		
		Group Art Unit	1774		
		Examiner Name	Tamra Dicus		
Sheet 1		of 1	Attorney Docket Number	11302-1040 (44040-251242)	

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	1	2,892,822		Gray et al.	06-30-1959	
	2	5,397,672		Larson et al.	03-14-1995	
	3	5,441,841		Larson et al.	08-15-1995	
	4	5,459,007		Larson et al.	10-17-1995	
	5	5,525,449		Spiewak et al.	06-11-1996	

FOREIGN PATENT DOCUMENTS								
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
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Examiner Signature		TC 1700	Date Considered	
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.


FORM PTO-1449	SERIAL NO. 09/815,251	CASE NO. 659-1610 K-C Ref. 16529A
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	FILING DATE March 22, 2001	GROUP ART UNIT 1774
(use several sheets if necessary)	APPLICANT(S): Chang, Yihua et al.	

### REFERENCE DESIGNATION

**U.S. PATENT DOCUMENTS**

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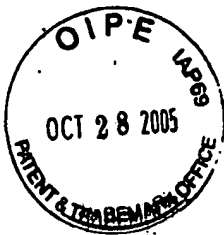
## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES OR NO
	H1	56035703 A2	08/1981	Japan		

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EXAMINER 	DATE CONSIDERED 3/8/00
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CATIONIC POLYMERS, A  
METHOD OF MAKING SAME  
AND ITEMS USING SAME

Examiner: Tamra Dicus

Art Unit: 1774

Attorney Docket No: 659/1610

SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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6,548,592	4/15/2003	Lang et al.

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10/31/2005 MBELETE1 00000015 09815251


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6,579,570	6/17/2003	Lang et al.
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6,599,848	7/29/2003	Chen et al.
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6,630,558	10/7/2003	Chang et al.
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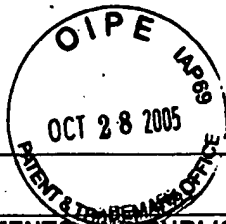
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Glen P. Belvis (Reg. No. 31,735)



Page 1 of 2

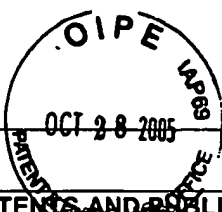
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REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

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EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449	SERIAL NO. 09/815,251	CASE NO. 659/1610
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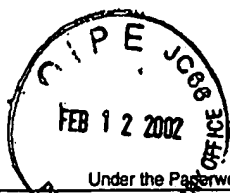
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	G40	JP 74043114	11/19/1974	Japan		Abstract

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIAL	(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	

EXAMINER	DATE CONSIDERED
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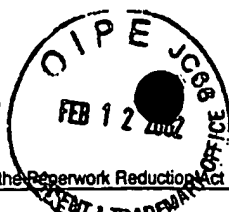
Substitute for Form PTO			<b>Complete if Known</b>		
			Application Number	09/815,251	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)			Filing Date	March 22, 2001	
			First Named Inventor	Chang et al.	
			Group Art Unit	1774	
			Examiner Name		
			Attorney Docket Number	11302-1040	
Sheet	1	of	18		

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U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	1	RE 25880		Cline	10/65	
	2	RE 28957		Drelich et al.	9/76	
	3	2,185,789		Jacque	1/40	
	4	2,265,913		Lilienfeld	12/41	
	5	2,306,451		Lilienfeld	12/42	
	6	2,831,852		Savage	4/58	
	7	3,097,991		Miller et al.	7/63	
	8	3,099,067		Merriam et al.	7/63	
	9	3,255,140		Sinn	6/66	
	10	3,255,141		Damm	6/66	
	11	3,340,327		Spellberg	9/67	
	12	3,388,082		Rodgers	6/68	
	13	3,406,688		Cubitt	10/68	
	14	3,435,705		Harmon	12/69	
	15	3,453,261		Scherff	7/69	
	16	3,461,193		Gilardi	8/69	
	17	3,480,016		Costanza et al.	11/69	
	18	3,483,240		Boudreau	12/69	
	19	3,484,394		Holdstock	12/69	
	20	3,582,519		Gomsi	6/71	
	21	3,515,325		Kalwaites	6/70	
	22	3,521,638		Parrish	7/70	
	23	3,546,755		Lynch, Jr.	12/70	
	24	3,554,862		Hervey	1/71	
	25	3,561,447		Alexander	2/71	
	26	3,564,677		Kalwaites	2/71	
	27	3,577,586		Kalwaites et al.	5/71	
	28	3,595,454		Kalwaites	7/71	
	29	3,616,797		Champaigne, Jr. et al.	11/71	
	30	3,639,199		Brandts et al.	2/72	
	31	3,654,064		Laumann	4/72	
	32	3,656,672		Kalwaites	4/72	
	33	3,663,348		Liloi et al.	5/72	
	34	3,665,923		Champaigne, Jr.	5/72	
	35	3,670,069		Mitchell et al.	6/72	

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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.



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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/815,251
Filing Date	3/22/01
First Named Inventor	Chang et al.
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	11302-1040 (44040-251242)

Sheet 2 of 13

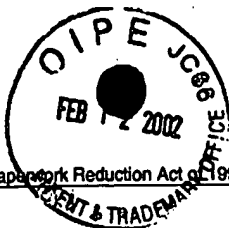
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		Number	Kind Code <sup>2</sup> (if known)			
	36	3,670,731		Harron	6/72	
	37	3,683,919		Ells	8/72	
	38	3,702,610		Sheppard et al.	11/72	
	39	3,709,876		Glomski	1/73	
	40	3,712,847		Rasmussen	1/73	
	41	3,719,540		Hall	3/73	
	42	3,753,826		Plummer	8/73	
	43	3,800,797		Tunc	4/74	
	44	3,804,092		Tunc	4/74	
	45	3,838,695		Comerford et al.	10/74	
	46	3,839,319		Greminger	10/74	
	47	3,859,125		Miller et al.	1/75	
	48	3,865,918		Mitchell et al.	2/75	
	49	3,867,324		Clendinning	2/75	
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	52	3,881,210		Drach et al.	5/75	
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	54	3,882,869		Hanke	5/75	
	55	3,897,782		Tunc	8/75	
	56	3,911,917		Hanke	10/75	
	57	3,913,579		Srinivasan et al.	10/75	
	58	3,923,592		George et al.	12/75	
	59	3,926,951		Lindenfors et al.	11/75	
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	61	3,950,578		Laumann	4/76	
	62	3,952,745		Duncan	4/76	
	63	3,976,734		Dunning et al.	8/76	
	64	3,978,257		Ring	8/76	
	65	3,991,754		Gertzman	11/76	
	66	4,005,251		Tunc	1/77	
	67	4,009,313		Crawford et al.	2/77	
	68	4,011,871		Taft	3/77	
	69	4,018,647		Wietsma	4/77	
	70	4,032,993		Coquard et al.	7/77	
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	72	4,073,777		O'Neill et al.	2/77	
	73	4,082,886		Butterworth et al.	4/78	

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STATEMENT BY APPLICANT**

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Sheet 3

of 13

Application Number 09/815,251  
Filing Date 3/22/01  
First Named Inventor Chang et al.  
Group Art Unit 1771  
Examiner Name  
Attorney Docket Number 11302-1040 (44040-251242)

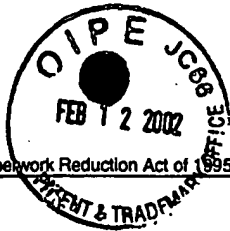
**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	74	4,084,033		Drelich	4/78	
	75	4,084,591		Takebe et al.	4/78	
	76	4,092,454		Domoto et al.	5/78	
	77	4,099,976		Kraskin et al.	7/78	
	78	4,112,167		Dake et al.	9/78	
	79	4,117,187		Adams et al.	9/78	
	80	4,136,798		Oberstein	1/79	
	81	4,144,122		Earnuelsson, et al.	3/79	
	82	4,154,883		Elias	5/79	
	83	4,157,724		Persson	6/79	
	84	4,171,713		Ammannati et al.	2/79	
	85	4,186,233		Krajewski et al.	1/80	
	86	4,201,216		Mattei	5/80	
	87	4,226,753		Lewis et al.	10/80	
	88	4,245,744		Daniels et al.	1/81	
	89	4,258,849		Miller	3/81	
	90	4,264,289		Day	8/81	
	91	4,278,113		Persson	7/81	
	92	4,301,203		Keuchel	11/81	
	93	4,306,998		Wenzel et al.	12/81	
	94	4,332,319		Hurwood	6/82	
	95	4,343,134		Davidowich et al.	8/82	
	96	4,343,403		Daniels	8/82	
	97	4,344,804		Bijen et al.	8/82	
	98	4,352,649		Jacobsen et al.	10/82	
	99	4,353,687		Nielsen	10/82	
	100	4,372,447		Miller	2/83	
	101	4,377,544		Rasmussen	3/83	
	102	4,377,645		Guthrie et al.	3/83	
	103	4,385,019		Bernstein et al.	5/83	
	104	4,419,403		Varona	12/83	
	105	4,440,105		Jeltema	4/84	
	106	4,476,323		Hellsten, et al.	10/84	
	107	4,491,645		Thompson	1/85	
	108	4,494,278		Kroyer et al.	1/85	
	109	4,496,618		Okamoto	1/85	
	110	4,511,687		Nakanishi	4/85	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/815,251
Filing Date	3/22/01
First Named Inventor	Chang et al.
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	11302-1040 (44040-251242)

Sheet 4 of 13

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		Number	Kind Code <sup>2</sup> (if known)			
	111	4,512,279		Damrau et al.	4/85	
	112	4,528,360		Fujita et al.	7/85	
	113	4,559,157		Smith et al.	12/85	
	114	4,564,389		Lal	6/86	
	115	4,575,891		Valente	3/86	
	116	4,585,835		Saegusa	4/86	
	117	4,588,400		Ring et al.	5/86	
	118	4,600,404		Sheldon et al.	7/86	
	119	4,617,235		Shinonome et al.	10/86	
	120	4,627,806		Johnson	12/86	
	121	4,627,950		Matsui et al.	12/86	
	122	4,638,017		Larson et al.	1/87	
	123	4,640,810		Laursen et al.	2/87	
	124	4,650,409		Nistri et al.	3/87	
	125	4,677,890		Yannes	7/87	
	126	4,690,821		Smith et al.	9/87	
	127	4,702,947		Pall et al.	10/87	
	128	4,724,980		Farley	2/88	
	129	4,725,489		Jones et al.	2/88	
	130	4,732,797		Johnson et al.	3/88	
	131	4,737,405		Bouchette	4/88	
	132	4,738,992	A	Larson et al.	4/88	
	133	4,740,398		Bouchette	4/88	
	134	4,753,844		Jones et al.	6/88	
	135	4,755,421		Manning et al.	7/88	
	136	4,772,492		Bouchette	9/88	
	137	4,772,501		Johnson, et al.	9/88	
	138	4,781,974		Bouchette et al.	11/88	
	139	4,792,326		Tews	12/88	
	140	4,795,668		Krueger et al.	1/89	
	141	4,814,131		Atlas	3/89	
	142	4,837,078		Harrington	6/89	
	143	4,855,132		Heller et al.	8/89	
	144	4,894,118		Edwards et al.	1/90	
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	146	4,966,808		Kawano	10/90	
	147	4,998,984		McClendon	3/91	
	148	5,009,652	A	Morgan et al.	4/91	

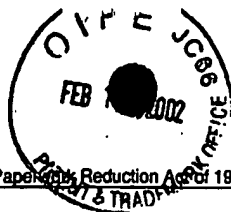
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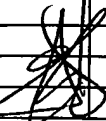






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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	09/815,251
		Filing Date	3/22/01
		First Named Inventor	Chang et al.
		Group Art Unit	1771
		Examiner Name	
Sheet 5	of 13	Attorney Docket Number	11302-1040 (44040-251242)

U.S. PATENT DOCUMENTS						
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		Number	Kind Code <sup>2</sup> (if known)			
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	150	5,045,387		Schmalz	9/91	
	151	5,049,440		Bornhoeft, III et al.	9/91	
	152	5,053,482	A	Tietz	10/91	
	153	5,057,361	A	Sayovitz et al.	10/91	
	154	5,084,136	A	Haines et al.	1/92	
	155	5,096,640	A	Brody et al.	3/92	
	156	5,097,004	A	Gallagher et al.	3/92	
	157	5,097,005	A	Tietz	3/92	
	158	5,102,601	A	Farris et al.	4/92	
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	161	5,120,598	A	Robeson et al.	6/92	
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	163	5,149,335	A	Kellenberger et al.	9/92	
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171	5,181,966	A	Honeycutt et al.	1/93		
172	5,181,967	A	Honeycutt	1/93		
173	5,182,162	A	Andrusko	1/93		
174	5,196,470	A	Anderson et al.	3/93		
175	5,205,968	A	Damrow et al.	4/93		
176	5,206,064	A	Scholz	4/93		
177	5,207,662	A	James	5/93		
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179	5,208,098	A	Stover	5/93		
	180	5,216,050	A	Sinclair	6/93	
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	183	5,219,646	A	Gallagher et al.	6/93	
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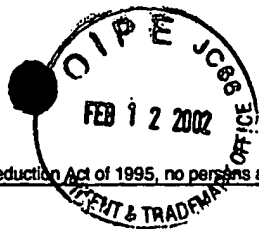
Substitute for Form 1449/A/PTO		Application Number 09/815,251	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Filing Date 3/22/01	
		First Named Inventor Chang et al.	
		Group Art Unit 1771	
Examiner Name		Attorney Docket Number 11302-1040 (44040-251242)	
Sheet 6	of 13		

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	185	5,246,647	A	Beck et al.	9/93	
	186	5,248,461	A	Pluyter et al.	9/93	
	187	5,256,417	A	Koltisko	10/93	
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	189	5,264,269	A	Kakiuchi et al.	11/93	
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	192	5,275,699	A	Allan et al.	1/94	
	193	5,281,306	A	Kakiuchi et al.	1/94	
	194	5,286,538	A	Pearlstein et al.	2/94	
	195	5,295,985	A	Romesser et al.	3/94	
	196	5,300,192	A	Hansen et al.	4/94	
	197	5,304,420	A	Hirakawa et al.	4/94	
	198	5,312,883	A	Komatsu et al.	5/94	
	199	5,317,063	A	Komatsu et al.	5/94	
	200	5,330,827	A	Hansen	7/94	
	201	5,330,832	A	Liu	7/94	
	202	5,334,176	A	Buenger et al.	8/94	
	203	5,346,541	A	Goldman et al.	9/94	
	204	5,356,963	A	Kauffmann et al.	10/94	
	205	5,360,826	A	Egolf et al.	11/94	
	206	5,366,804	A	Dugan	11/94	
	207	5,369,155	A	Asmus	11/94	
	208	5,384,189	A	Kuroda et al.	1/95	
	209	5,393,602	A	Urry	2/95	
	210	5,399,412	A	Sudall et al.	3/95	
	211	5,405,342	A	Roessler et al.	4/95	
	212	5,407,442	A	Karapasha	4/95	
	213	5,409,747	A	Pearlstein et al.	4/95	
	214	5,415,643	A	Kolb	5/95	
	215	5,415,813	A	Misselyn et al.	5/95	
	216	5,429,686	A	Chiu et al.	7/95	
	217	5,427,899	A	Avison et al.	6/95	
	218	5,437,908	A	Demura et al.	8/95	
	219	5,442,016	A	Jarrett	8/95	
	220	5,458,591	A	Roessler et al.	10/95	
	221	5,466,410	A	Hills	11/95	

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Group Art Unit	1771
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Sheet 7 of 13

**U.S. PATENT DOCUMENTS**

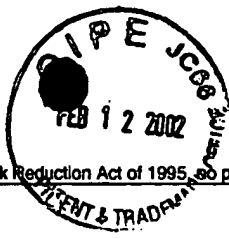
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	222	5,466,518	A	Issac et al.	11/95	
	223	5,470,640	A	Modrak	11/95	
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	8	of	13	Application Number	09/815,251
				Filing Date	3/22/01
				First Named Inventor	Chang et al.
				Group Art Unit	1771
				Examiner Name	
				Attorney Docket Number	11302-1040 (44040-251242)

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Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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## Complete if Known

Application Number	09/815,251
Filing Date	3/22/01
First Named Inventor	Chang et al.
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	11302-1040 (44040-251242)

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FEB 12 2002

Sheet 9 of 13

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		Number	Kind Code <sup>2</sup> (if known)			
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Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	324	EP	1 050 297	A2	Fort James Corporation	8/00		
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Examiner Signature						Date Considered		

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>†</sup>Applicant is to place a check mark here if English language translation is attached.



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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	09/815,251 FEB 14 2002
		Filing Date	3/22/01
		First Named Inventor	Chang et al. TG 1700
		Group Art Unit	1771
		Examiner Name	
Sheet 10 of 13	Attorney Docket Number	11302-1040 (44040-251242)	

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Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code <sup>2</sup> (if known)				
	330	WO 99/25318	A1	The Procter & Gamble Co.	5/99		
	331	WO 99/07273	A1	The Procter & Gamble Co.	2/99		
	332	WO 99/01106	A1	Firmenich S.A.	1/99		
	333	WO 01/13880	A1	Unilever PLC et al.	3/01		
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	344	EP 0 372 388	B1	Ikoma Seiko Higashi et al.	2/94		
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<b>Substitute for Form 1449/APTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	09/815,251
		Filing Date	3/22/01
		First Named Inventor	Chang et al.
		Group Art Unit	1771
Sheet 11	of 13	Examiner Name	
		Attorney Docket Number	11302-1040 (44040-251242)

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	366	EP	0 637 950	B1	The Procter & Gamble Co.	7/98		
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	368	EP	0 648 871	A1	Kuraray Co.	4/95		
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	376	EP	0 765 649	A2	Kimberly-Clark Corporation	4/97		
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Examiner Signature		Date Considered	
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			<b>First Named Inventor</b> Chang et al.	
			<b>Group Art Unit</b> 1771	
			<b>Examiner Name</b>	
<b>Sheet</b> 12	<b>of</b> 13	<b>Attorney Docket Number</b> 11302-1040 (44040-251242)		

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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	404	WO	95/18191	A1	Eastman Chem. Corp.	7/95		
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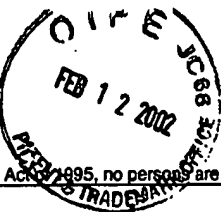
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	426	Patent Abstract Japan, JP 06-207324 (Unitka Ltd.), 7/26/94.	
	427	Robeson, L.M., et al., "Microfiber Formation: Immiscible Polymer Blends Involving Thermoplastic Poly(vinyl Alcohol) as an Extractable Matrix", <i>J. Applied Polymer Science</i> , Vol. 52, pp. 1837-1846 (1994).	
	428	D 5034-11, "Standard Test Method for Breaking Force and Elongation of Textile Fabrics (Grab Test)," 1994 Ann. Book of ASTM Standards, Vol. 7.02, pp. 708-709 (1994).	
	429	Abstract Derwent WPI, JP 5-179548 (Lion Corp), 7/20/93).	

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Substitute for Form 1449/A/PTO		<b>Complete If Known</b>			
		Application Number	09/815,251		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Filing Date	3/22/01		
		First Named Inventor	Chang et al.		
		Group Art Unit	1771		
		Examiner Name			
Sheet	13	of	13	Attorney Docket Number	11302-1040 (44040-251242)

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS			
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	430	Abstract Derwent WPI and JAPIO, JP 03-239709 (Lion Corp) 10/25/91	
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	438	Kohlhammer, <i>Nonwovens Report International</i> , Vol. 342, pp. 20-22, 28-31 (9/99).	
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